

因為 角D=角B

所以 $\sin D = \sin B$

而 $\sin D = b/2r$

所以 $\sin B = b/2r$

同理可證 $\sin C = c/2r$

$$\sin A = a/2r$$

又因為正弦定理

所以

$$(\sin A)/a = (\sin B)/b = (\sin C)/c = 1/2r$$

